

=> fil reg

FILE 'REGISTRY' ENTERED AT 13:43:57 ON 12 JUL 2001
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STRUCTURE FILE UPDATES: 11 JUL 2001 HIGHEST RN 345580-38-3
DICTIONARY FILE UPDATES: 11 JUL 2001 HIGHEST RN 345580-38-3

TSCA INFORMATION NOW CURRENT THROUGH January 11, 2001

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT
for details.

=> d que 18

```
L1          61 SEA FILE=REGISTRY GCGTTACTATCCTCTCTATGTG|AGTTTTCCTACTGATTGCCGC
|TCCCTCAGGATGCTAAACCAG|TCGATTTATTCAACAAAGCAAC|AACTGCTGGGTATGTGG
CTGG|TGCTGACCTGCCTCTTCCATG|CTGGCGAAAGACTGTATCATTG|TAATGTATAGAAA
TCCGCTGTT|TTTCTGGATGGTATGGTGAGG|CTTGAACATAAGGAAATAAAC/SQSN
L2          125 SEA FILE=REGISTRY CAGGGTAAAGAAAGATGATAAG|AATATGGGGACCATGTATTAT
C|CCCGCACCCGGCACAAGCATAAG|AGTCTCGCCAGTATTGCGCCACC|ATGAAAAAACATT
ATTAATAGC|TCAC[CT]GAGCTATTCTGAGTCAAGC|ATGAAGAAGAT[GA][AT]TT[GA]
T[AGT]GC[GA]G[CT]TTTATT[CT]G/SQSN
L3          35 SEA FILE=REGISTRY TCAGTCAT[AT]ATTAACT[GT]CAC[CT]T[CG][GA]GCAAA
[GT]CC|AGCTCCCCAGTCTATTACAGAACTATG|ACATACGTTACAGACATAATCAGAATCA
G|ATGAAGGGGCGAAGTTCTGGCTCAATGTGC|CTCTTTTAACTTATGATATGTAATGTCTGG
|CAAAACAGAAACCTATGTCTACCT|CTTGGAGTGATCGAACGGGATCCAAAT/SQSN
L4          10 SEA FILE=REGISTRY TAAACGGGTATTATCAACAGAAAAATCC|TCGCTGAATCCCCCTC
CATTATGACAGGCA|CAGGTACTGGATTTGATTGTGACAGTCATT/SQSN
L5          209 SEA FILE=REGISTRY (L1 OR L2 OR L3 OR L4)
L6          1309938 SEA FILE=REGISTRY SQL<=100
L7          51 SEA FILE=REGISTRY L5 AND L6
L8          3 SEA FILE=HCAPLUS L7
```

=> d rn cn lc nte sql kwic can 17 tot

```
L7 ANSWER 1 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 278624-15-0 REGISTRY
CN 14: PN: US6080400 SEQID: 14 unclaimed DNA (9CI) (CA INDEX NAME)
LC STN Files: CA, CAPLUS, USPATFULL
NTE singlestranded
SQL 28
SQL 28
```

```
SEQ 1 gccatatgaa aaaaacatta ttaatagc
=====
```

HITS AT: 6-28

REFERENCE 1: 133:71354

```
L7 ANSWER 2 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 253515-56-9 REGISTRY
```

Einsmann 09/403,690

Searched by David Schreiber 308-4292

CN GenBank A83820 (9CI) (CA INDEX NAME)
LC STN Files: GENBANK
NTE doublestranded
SQL 30
SQL 30

SEQ 1 caggtactgg atttgattgt gacagtcatt
=====
HITS AT: 1-30

L7 ANSWER 3 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 253515-55-8 REGISTRY
CN GenBank A83819 (9CI) (CA INDEX NAME)
LC STN Files: GENBANK
NTE doublestranded
SQL 30
SQL 30

SEQ 1 tcgctgaatc cccctccatt atgacaggca
=====
HITS AT: 1-30

L7 ANSWER 4 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 253515-54-7 REGISTRY
CN GenBank A83818 (9CI) (CA INDEX NAME)
LC STN Files: GENBANK
NTE doublestranded
SQL 28
SQL 28

SEQ 1 taaacgggta ttatcaacag aaaaatcc
=====
HITS AT: 1-28

L7 ANSWER 5 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 253515-53-6 REGISTRY
CN GenBank A83817 (9CI) (CA INDEX NAME)
LC STN Files: GENBANK
NTE doublestranded
SQL 27
SQL 27

SEQ 1 cttggagtga tcgaacggga tccaaat
=====
HITS AT: 1-27

L7 ANSWER 6 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 253515-52-5 REGISTRY
CN GenBank A83816 (9CI) (CA INDEX NAME)
LC STN Files: GENBANK
NTE doublestranded
SQL 27
SQL 27

SEQ 1 caaaaacaga agaacctatg tctacct
=====
=====

HITS AT: 1-27

L7 ANSWER 7 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 253515-51-4 REGISTRY
CN GenBank A83815 (9CI) (CA INDEX NAME)
LC STN Files: GENBANK
NTE doublestranded
SQL 30
SQL 30

SEQ 1 ctctttttaac ttatgatatg taatgtctgg
=====

HITS AT: 1-30

L7 ANSWER 8 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 253515-50-3 REGISTRY
CN GenBank A83814 (9CI) (CA INDEX NAME)
LC STN Files: GENBANK
NTE doublestranded
SQL 30
SQL 30

SEQ 1 atgaaggggc gaagttctgg ctcaatgtgc
=====

HITS AT: 1-30

L7 ANSWER 9 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 253515-49-0 REGISTRY
CN GenBank A83813 (9CI) (CA INDEX NAME)
LC STN Files: GENBANK
NTE doublestranded
SQL 29
SQL 29

SEQ 1 acatacgtta cagacataat cagaatcag
=====

HITS AT: 1-29

L7 ANSWER 10 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 253515-48-9 REGISTRY
CN GenBank A83812 (9CI) (CA INDEX NAME)
LC STN Files: GENBANK
NTE doublestranded
SQL 27
SQL 27

SEQ 1 agtccccag tctattacag aactatg
=====

HITS AT: 1-27

L7 ANSWER 11 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 253515-47-8 REGISTRY
CN GenBank A83811 (9CI) (CA INDEX NAME)
LC STN Files: GENBANK
NTE doublestranded
SQL 24

SQL 24

SEQ 1 tcactgagct attctgagtc aagc
=====

HITS AT: 1-24

L7 ANSWER 12 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 253515-46-7 REGISTRY
CN GenBank A83810 (9CI) (CA INDEX NAME)
LC STN Files: GENBANK
NTE doublestranded
SQL 24
SQL 24

SEQ 1 tcaccgagct attctgagtc aagc
=====

HITS AT: 1-24

L7 ANSWER 13 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 253515-45-6 REGISTRY
CN GenBank A83809 (9CI) (CA INDEX NAME)
LC STN Files: GENBANK
NTE doublestranded
SQL 23
SQL 23

SEQ 1 atgaaaaaaaa cattattaat agc
=====

HITS AT: 1-23

L7 ANSWER 14 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 253515-44-5 REGISTRY
CN GenBank A83808 (9CI) (CA INDEX NAME)
LC STN Files: GENBANK
NTE doublestranded
SQL 22
SQL 22

SEQ 1 agtctcgcca gtattcgcca cc
=====

HITS AT: 1-22

L7 ANSWER 15 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 253515-42-3 REGISTRY
CN GenBank A83806 (9CI) (CA INDEX NAME)
LC STN Files: GENBANK
NTE doublestranded
SQL 22
SQL 22

SEQ 1 aatatgggga ccatgtatta tc
=====

HITS AT: 1-22

L7 ANSWER 16 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 253515-41-2 REGISTRY

CN GenBank A83805 (9CI) (CA INDEX NAME)
LC STN Files: GENBANK
NTE doublestranded
SQL 23
SQL 23

SEQ 1 cagggtaaaa gaaagatgat aag
===== ==
HITS AT: 1-23

L7 ANSWER 17 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 253515-40-1 REGISTRY
CN GenBank A83804 (9CI) (CA INDEX NAME)
LC STN Files: GENBANK
NTE doublestranded
SQL 21
SQL 21

SEQ 1 cttgaacata aggaaataaa c
===== =
HITS AT: 1-21

L7 ANSWER 18 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 253515-39-8 REGISTRY
CN GenBank A83803 (9CI) (CA INDEX NAME)
LC STN Files: GENBANK
NTE doublestranded
SQL 21
SQL 21

SEQ 1 tttctggatg gtatggtgag g
===== =
HITS AT: 1-21

L7 ANSWER 19 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 253515-38-7 REGISTRY
CN GenBank A83802 (9CI) (CA INDEX NAME)
LC STN Files: GENBANK
NTE doublestranded
SQL 22
SQL 22

SEQ 1 taatgtatag aaatccgctg tt
===== ==
HITS AT: 1-22

L7 ANSWER 20 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 253515-37-6 REGISTRY
CN GenBank A83801 (9CI) (CA INDEX NAME)
LC STN Files: GENBANK
NTE doublestranded
SQL 22
SQL 22

SEQ 1 ctggcgaaag actgtatcat tg
===== ==

HITS AT: 1-22

L7 ANSWER 21 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 253515-36-5 REGISTRY
CN GenBank A83800 (9CI) (CA INDEX NAME)
LC STN Files: GENBANK
NTE doublestranded
SQL 21
SQL 21

SEQ 1 tgctgacctg cctcttccat g
=====

HITS AT: 1-21

L7 ANSWER 22 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 253515-35-4 REGISTRY
CN GenBank A83799 (9CI) (CA INDEX NAME)
LC STN Files: GENBANK
NTE doublestranded
SQL 21
SQL 21

SEQ 1 aactgctggg tatgtggctg g
=====

HITS AT: 1-21

L7 ANSWER 23 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 253515-34-3 REGISTRY
CN GenBank A83798 (9CI) (CA INDEX NAME)
LC STN Files: GENBANK
NTE doublestranded
SQL 22
SQL 22

SEQ 1 tcgatttatt caacaaagca ac
=====

HITS AT: 1-22

L7 ANSWER 24 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 253515-33-2 REGISTRY
CN GenBank A83797 (9CI) (CA INDEX NAME)
LC STN Files: GENBANK
NTE doublestranded
SQL 21
SQL 21

SEQ 1 tccctcagga tgctaaacca g
=====

HITS AT: 1-21

L7 ANSWER 25 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 253515-32-1 REGISTRY
CN GenBank A83796 (9CI) (CA INDEX NAME)
LC STN Files: GENBANK
NTE doublestranded
SQL 22

SQL 22

SEQ 1 agttttccat actgattgcc gc
=====

HITS AT: 1-22

L7 ANSWER 26 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 253515-31-0 REGISTRY
CN GenBank A83795 (9CI) (CA INDEX NAME)
LC STN Files: GENBANK
NTE doublestranded
SQL 22
SQL 22

SEQ 1 gcgttactat cctctctatg tg
=====

HITS AT: 1-22

L7 ANSWER 27 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 222653-06-7 REGISTRY
CN GenBank AR019035 (9CI) (CA INDEX NAME)
LC STN Files: GENBANK
NTE doublestranded
SQL 42
SQL 42

SEQ 1 gggggggcccg gtctagtttt ccatactgat tgccgcaatt ga
=====

HITS AT: 15-36

L7 ANSWER 28 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 215308-65-9 REGISTRY
CN DNA, d(A-G-T-T-T-T-C-C-A-T-A-C-T-G-A-T-T-G-C-C-G-C) (9CI) (CA INDEX NAME)
LC STN Files: CA, CAPLUS, TOXLIT
NTE singlestranded
SQL 22
SQL 22

SEQ 1 agttttccat actgattgcc gc
=====

HITS AT: 1-22

REFERENCE 1: 129:340509

L7 ANSWER 29 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 215308-64-8 REGISTRY
CN DNA, d(G-C-G-T-T-A-C-T-A-T-C-C-T-C-T-C-T-A-T-G-T-G) (9CI) (CA INDEX NAME)
LC STN Files: CA, CAPLUS, TOXLIT
NTE singlestranded
SQL 22
SQL 22

SEQ 1 gcgttactat cctctctatg tg
=====

HITS AT: 1-22

REFERENCE 1: 129:340509

L7 ANSWER 30 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 215308-47-7 REGISTRY
CN DNA, d(C-A-G-G-T-A-C-T-G-G-A-T-T-T-G-A-T-T-G-T-G-A-C-A-G-T-C-A-T-T) (9CI)
(CA INDEX NAME)
LC STN Files: CA, CAPLUS, TOXLIT
NTE singlestranded
SQL 30
SQL 30

SEQ 1 caggtactgg atttgattgt gacagtcatt
=====

HITS AT: 1-30

REFERENCE 1: 129:340509

L7 ANSWER 31 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 215308-46-6 REGISTRY
CN DNA, d(T-C-G-C-T-G-A-A-T-C-C-C-C-C-T-C-C-A-T-T-A-T-G-A-C-A-G-G-C-A) (9CI)
(CA INDEX NAME)
LC STN Files: CA, CAPLUS, TOXLIT
NTE singlestranded
SQL 30
SQL 30

SEQ 1 tcgctgaatc cccctccatt atgacaggca
=====

HITS AT: 1-30

REFERENCE 1: 129:340509

L7 ANSWER 32 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 215308-45-5 REGISTRY
CN DNA, d(T-A-A-A-C-G-G-G-T-A-T-T-A-T-C-A-A-C-A-G-A-A-A-A-T-C-C) (9CI) (CA
INDEX NAME)
LC STN Files: CA, CAPLUS, TOXLIT
NTE singlestranded
SQL 28
SQL 28

SEQ 1 taaacgggta ttatcaacag aaaaatcc
=====

HITS AT: 1-28

REFERENCE 1: 129:340509

L7 ANSWER 33 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 215308-44-4 REGISTRY
CN DNA, d(C-T-T-G-G-A-G-T-G-A-T-C-G-A-A-C-G-G-G-A-T-C-C-A-A-A-T) (9CI) (CA
INDEX NAME)
LC STN Files: CA, CAPLUS, TOXLIT
NTE singlestranded
SQL 27
SQL 27

SEQ 1 cttggagtga tcgaacggga tccaaat
=====

HITS AT: 1-27

REFERENCE 1: 129:340509

L7 ANSWER 34 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 215308-43-3 REGISTRY
CN DNA, d(C-A-A-A-A-A-C-A-G-A-A-G-A-A-C-C-T-A-T-G-T-C-T-A-C-C-T) (9CI) (CA
INDEX NAME)
LC STN Files: CA, CAPLUS, TOXLIT
NTE singlestranded
SQL 27
SQL 27

SEQ 1 caaaaacaga agaacctatg tctacct
=====

HITS AT: 1-27

REFERENCE 1: 129:340509

L7 ANSWER 35 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 215308-42-2 REGISTRY
CN DNA, d(C-T-C-T-T-T-T-A-A-C-T-T-A-T-G-A-T-A-T-G-T-A-A-T-G-T-C-T-G-G) (9CI)
(CA INDEX NAME)
LC STN Files: CA, CAPLUS, TOXLIT
NTE singlestranded
SQL 30
SQL 30

SEQ 1 ctcttttaac ttatgatatg taatgtctgg
=====

HITS AT: 1-30

REFERENCE 1: 129:340509

L7 ANSWER 36 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 215308-41-1 REGISTRY
CN DNA, d(A-T-G-A-A-G-G-G-C-G-A-A-G-T-T-C-T-G-G-C-T-C-A-A-T-G-T-G-C) (9CI)
(CA INDEX NAME)
LC STN Files: CA, CAPLUS, TOXLIT
NTE singlestranded
SQL 30
SQL 30

SEQ 1 atgaaggggc gaagttctgg ctcaatgtgc
=====

HITS AT: 1-30

REFERENCE 1: 129:340509

L7 ANSWER 37 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 215308-40-0 REGISTRY
CN DNA, d(A-C-A-T-A-C-G-T-T-A-C-A-G-A-C-A-T-A-A-T-C-A-G-A-A-T-C-A-G) (9CI)
(CA INDEX NAME)
LC STN Files: CA, CAPLUS, TOXLIT

NTE singlestranded
SQL 29
SQL 29

SEQ 1 acatacgtta cagacataat cagaatcag
=====

HITS AT: 1-29

REFERENCE 1: 129:340509

L7 ANSWER 38 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 215308-39-7 REGISTRY
CN DNA, d(A-G-C-T-C-C-C-C-A-G-T-C-T-A-T-T-A-C-A-G-A-A-C-T-A-T-G) (9CI) (CA
INDEX NAME)
LC STN Files: CA, CAPLUS, TOXLIT
NTE singlestranded
SQL 27
SQL 27

SEQ 1 agctccccag tctattacag aactatg
=====

HITS AT: 1-27

REFERENCE 1: 129:340509

L7 ANSWER 39 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 215308-34-2 REGISTRY
CN DNA, d(A-T-G-A-A-A-A-A-A-A-C-A-T-T-A-T-T-A-A-T-A-G-C) (9CI) (CA INDEX
NAME)
LC STN Files: CA, CAPLUS, TOXLIT
NTE singlestranded
SQL 23
SQL 23

SEQ 1 atgaaaaaaaa cattattaat agc
=====

HITS AT: 1-23

REFERENCE 1: 129:340509

L7 ANSWER 40 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 215308-33-1 REGISTRY
CN DNA, d(A-G-T-C-T-C-G-C-C-A-G-T-A-T-T-C-G-C-C-A-C-C) (9CI) (CA INDEX NAME)
LC STN Files: CA, CAPLUS, TOXLIT
NTE singlestranded
SQL 22
SQL 22

SEQ 1 agtctcgcca gtattcgcca cc
=====

HITS AT: 1-22

REFERENCE 1: 129:340509

L7 ANSWER 41 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 215308-30-8 REGISTRY

CN DNA, d(A-A-T-A-T-G-G-G-G-A-C-C-A-T-G-T-A-T-T-A-T-C) (9CI) (CA INDEX NAME)
LC STN Files: CA, CAPLUS, TOXLIT
NTE singlestranded
SQL 22
SQL 22

SEQ 1 aatatgggga ccatgtatta tc
=====

HITS AT: 1-22

REFERENCE 1: 129:340509

L7 ANSWER 42 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 215308-29-5 REGISTRY
CN DNA, d(C-A-G-G-G-T-A-A-A-A-G-A-A-A-G-A-T-G-A-T-A-A-G) (9CI) (CA INDEX NAME)
LC STN Files: CA, CAPLUS, TOXLIT
NTE singlestranded
SQL 23
SQL 23

SEQ 1 cagggtaaaa gaaagatgat aag
=====

HITS AT: 1-23

REFERENCE 1: 129:340509

L7 ANSWER 43 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 215308-28-4 REGISTRY
CN DNA, d(C-T-T-G-A-A-C-A-T-A-A-G-G-A-A-A-T-A-A-A-C) (9CI) (CA INDEX NAME)
LC STN Files: CA, CAPLUS, TOXLIT
NTE singlestranded
SQL 21
SQL 21

SEQ 1 cttgaacata aggaaataaa c
=====

HITS AT: 1-21

REFERENCE 1: 129:340509

L7 ANSWER 44 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 215308-27-3 REGISTRY
CN DNA, d(T-T-T-C-T-G-G-A-T-G-G-T-A-T-G-G-T-G-A-G-G) (9CI) (CA INDEX NAME)
LC STN Files: CA, CAPLUS, TOXLIT
NTE singlestranded
SQL 21
SQL 21

SEQ 1 tttctggatg gtatggtgag g
=====

HITS AT: 1-21

REFERENCE 1: 129:340509

L7 ANSWER 45 OF 51 REGISTRY COPYRIGHT 2001 ACS

RN 215308-26-2 REGISTRY
CN DNA, d(A-A-C-T-G-C-T-G-G-G-T-A-T-G-T-G-G-C-T-G-G) (9CI) (CA INDEX NAME)
LC STN Files: CA, CAPLUS, TOXLIT
NTE singlestranded
SQL 21
SQL 21

SEQ 1 aactgctggg tatgtggctg g
=====

HITS AT: 1-21

REFERENCE 1: 129:340509

L7 ANSWER 46 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 215308-25-1 REGISTRY
CN DNA, d(T-G-C-T-G-A-C-C-T-G-C-C-T-C-T-T-C-C-A-T-G) (9CI) (CA INDEX NAME)
LC STN Files: CA, CAPLUS, TOXLIT
NTE singlestranded
SQL 21
SQL 21

SEQ 1 tgctgacctg cctcttccat g
=====

HITS AT: 1-21

REFERENCE 1: 129:340509

L7 ANSWER 47 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 215308-24-0 REGISTRY
CN DNA, d(C-T-G-G-C-G-A-A-A-G-A-C-T-G-T-A-T-C-A-T-T-G) (9CI) (CA INDEX NAME)
LC STN Files: CA, CAPLUS, TOXLIT
NTE singlestranded
SQL 22
SQL 22

SEQ 1 ctggcgaaag actgtatcat tg
=====

HITS AT: 1-22

REFERENCE 1: 129:340509

L7 ANSWER 48 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 215308-23-9 REGISTRY
CN DNA, d(T-A-A-T-G-T-A-T-A-G-A-A-A-T-C-C-G-C-T-G-T-T) (9CI) (CA INDEX NAME)
LC STN Files: CA, CAPLUS, TOXLIT
NTE singlestranded
SQL 22
SQL 22

SEQ 1 taatgtatag aaatccgctg tt
=====

HITS AT: 1-22

REFERENCE 1: 129:340509

L7 ANSWER 49 OF 51 REGISTRY COPYRIGHT 2001 ACS

RN 215308-22-8 REGISTRY
CN DNA, d(T-C-G-A-T-T-T-A-T-T-C-A-A-C-A-A-A-G-C-A-A-C) (9CI) (CA INDEX NAME)
LC STN Files: CA, CAPLUS, TOXLIT
NTE singlestranded
SQL 22
SQL 22

SEQ 1 tcgattttatt caacaaagca ac
=====

HITS AT: 1-22

REFERENCE 1: 129:340509

L7 ANSWER 50 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 215308-21-7 REGISTRY
CN DNA, d(T-C-C-C-T-C-A-G-G-A-T-G-C-T-A-A-A-C-C-A-G) (9CI) (CA INDEX NAME)
LC STN Files: CA, CAPLUS, TOXLIT
NTE singlestranded
SQL 21
SQL 21

SEQ 1 tccctcagga tgctaaacca g
=====

HITS AT: 1-21

REFERENCE 1: 129:340509

L7 ANSWER 51 OF 51 REGISTRY COPYRIGHT 2001 ACS
RN 168257-57-6 REGISTRY
CN DNA, d(C-C-C-G-G-A-T-C-C-A-T-G-A-A-A-A-A-A-A-C-A-T-T-A-T-T-A-A-T-A-G-C)
(9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Deoxyribonucleic acid, d(C-C-C-G-G-A-T-C-C-A-T-G-A-A-A-A-A-A-A-C-A-T-T-A-T-
T-A-A-T-A-G-C)
LC STN Files: CA, CAPLUS, TOXLIT
NTE singlestranded
SQL 32
SQL 32

SEQ 1 cccg gatcca tgaaaaaaac attattaata gc
=====

HITS AT: 10-32

REFERENCE 1: 123:219788

=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 13:46:04 ON 12 JUL 2001
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Einsmann 09/403,690

Searched by David Schreiber 308-4292

26, 1996), unless otherwise indicated in the original publications.

FILE COVERS 1947 - 12 Jul 2001 VOL 135 ISS 3
FILE LAST UPDATED: 11 Jul 2001 (20010711/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

HCAplus now provides online access to patents and literature covered in CA from 1947 to the present. On April 22, 2001, bibliographic information and abstracts were added for over 2.2 million references published in CA from 1947 to 1966.

=> d bib abs rn 18 1-3

L8 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2001 ACS
AN 2000:433278 HCAPLUS
DN 133:71354
TI Recombinant bacteria producing Escherichia coli type 2 verotoxin for production of antitoxin
IN Williams, James A.; Byrne, Lisa Marie
PA Ophidian Pharmaceuticals, Inc., USA
SO U.S., 83 pp., Cont.-in-part of U.S. Ser. No. 410,058, abandoned.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6080400	A	20000627	US 1997-816977	19970313
	CA 2218601	AA	19961003	CA 1996-2218601	19960325
PRAI	US 1995-410058	B2	19950324		

AB Verotoxin genes (A and B subunits alone and together as whole toxins) are expressed in suitable prokaryotic expression systems (such as Escherichia coli) to achieve high levels of VT antigen prodn. Neutralizing antitoxin directed against verotoxins may be produced using the recombinant verotoxin subunits. Thus, high titer verotoxin antibodies were generated in laying hens hyperimmunized with either recombinant E. coli O157:H7 verotoxin VT1 or VT2 (rVT1 and rVT2) treated with glutaraldehyde and mixed with adjuvant. Toxin-reactive polyclonal antibodies (IgY) were isolated from egg yolks using a 2-step polyethylene glycol bulk fractionation procedure. Enzyme immunoassay (EIA) and Western blot anal. showed that the resulting egg preps. contained high titer IgY that reacted with both the immunizing and the heterologous toxins. Vero cytotoxicity of rVT1 and rVT2 could be completely inhibited by VT IgY, and the antibodies also demonstrated substantial verotoxin cross-neutralization. The efficacy of verotoxin antibodies was demonstrated using multiple murine disease models, showing that antibodies prevented both the morbidity and lethality of homologous and heterologous toxins using a toxin/antitoxin premix format. Mice infected orally with a LD of viable E. coli O157:H7 were protected from both morbidity and lethality when treated parenterally 4 h

post-infection with either rVT1 or rVT2 antibodies, and mice given a LD of E. coli O91:H21 and treated parenterally up to 10 h later with rVT1 IgY administered parenterally were also protected from both morbidity and lethality. These antitoxins are useful in the treatment of humans and other animals infected with enterohemorrhagic E. coli, as well as for diagnostic assays to detect the presence of toxin in a sample.

RN 183449-19-6P
RN 183449-20-9P
RN 183449-21-0P
RN 183449-22-1P
RN 183449-23-2P
RN 183449-24-3P
RN 183449-25-4P
RN 183449-26-5P
RN 183449-27-6P
RN 183449-28-7P
RN 183449-29-8P
RN 183449-30-1P
RN 183449-31-2P
RN 183449-32-3P
RN 183449-33-4P
RN 183449-34-5P
RN 278624-05-8
RN 278624-07-0
RN 278624-08-1
RN 278624-10-5
RN 278624-11-6
RN 278624-12-7
RN 278624-13-8
RN 278624-14-9
RN **278624-15-0**
RN 278624-16-1
RN 278624-17-2
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RN 278624-22-9
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RN 278624-30-9
RN 278624-31-0
RN 278624-33-2
RN 111694-26-9
RN 150475-72-2
RN 278624-06-9
RN 278624-09-2
RN 278624-32-1
RN 278624-34-3
RN 244008-05-7
RE.CNT 12

RE

- (1) Acheson, D; Infect Immun 1993, V61, P1098 HCAPLUS
- (2) Acheson, D; Infect Immun 1995, V63, P301 HCAPLUS
- (3) Anon; WO 9630043 1996 HCAPLUS
- (4) Calderwood, S; Infect Immun 1990, V58, P2977 HCAPLUS
- (5) Gunzer, F; J Clin Microbiol 1993, V31, P2604 HCAPLUS

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 3 HCAPLUS COPYRIGHT 2001 ACS

AN 1998:709215 HCAPLUS

DN 129:340509

TI TaqMan-PCR for the detection of pathogenic Escherichia coli strains

IN Pfeffer, Klaus

PA Bavarian Nordic Research Institute G.m.b.H., Germany

SO PCT Int. Appl., 60 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9848046	A2	19981029	WO 1998-EP2341	19980421
	WO 9848046	A3	19990708		
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	AU 9880144	A1	19981113	AU 1998-80144	19980421
	EP 994965	A2	20000426	EP 1998-928211	19980421
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO			
	BR 9808963	A	20000801	BR 1998-8963	19980421
	NO 9905055	A	19991015	NO 1999-5055	19991015
PRAI	DK 1997-451	A	19970422		
	WO 1998-EP2341	W	19980421		

AB The present invention relates to a method for the detection of pathogenic E. coli in a sample comprising PCR amplification of DNA isolated from said sample using oligonucleotide primers specific for pathogenic E. coli. Primers are provided specific for pCVD432 plasmid (enteroaggregative), inv plasmid (enteroinvasive), EAF plasmid (enteropathogenic), shiga-like toxin genes sltI and sltII (enterhemorrhagic), and aea gene (enterotoxigenic). The TaqMan system relies on std. PCR technique with the addn. of a specific internal fluorogenic oligonucleotide probe; the combination of conventional PCR with the Taq polymerase-dependent degrdn. of an internally hybridized oligonucleotide probe also confers specificity to this detection method. The method can be used for diagnosis of E. coli infection of a living animal body, including a human, or for the detection of E. coli contamination of consumables, such as meat, milk, and vegetables.

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 RN 215308-38-6
 RN 215308-44-4
 RN 215308-45-5
 RN 215308-39-7
 RN 215308-40-0
 RN 215308-41-1
 RN 215308-43-3
 RN 215308-42-2
 RN 215308-46-6
 RN 215308-47-7
 RN 3301-79-9
 RN 120718-52-7
 RN 155911-14-1
 RN 155911-16-3

L8 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2001 ACS

AN 1995:709845 HCAPLUS

DN 123:219788

TI Genotyping of Shiga-like toxin genes in non-O157 Escherichia coli strains associated with hemolytic uremic syndrome

AU Ruessmann, H.; Kothe, E.; Schmidt, H.; Franke, S.; Harmsen, D.; Caprioli, A.; Karch, H.

CS Institut fur Hygiene und Mikrobiologie, Universitat Wurzburg, Wurzburg, 97080, Germany

SO J. Med. Microbiol. (1995), 42(6), 404-10

CODEN: JMMIAV; ISSN: 0022-2615

DT Journal

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AB The pheno- and genotypes of Shiga-like toxins (SLTs) in non-O157 Escherichia coli strains from patients with hemolytic uremic syndrome were detd. The clin. isolates investigated were from Italy and Germany and belonged to serotypes O22:H8, O26:H-, O26:H11, O91:H-, O111:H- and O128:H-; one isolate was non-typable. SLT genotypes were analyzed by complete nucleotide sequence anal. of the B-subunit genes. The results showed that 14 strains possessed slt-I alone, two contained slt-II alone and five isolates harbored both slt-I and slt-II genes. In only two strains were slt-II-related genes found, together with either slt-I or slt-II. These findings indicate that variants of SLT-II are rarely found in non-O157 E. coli isolates from patients with hemolytic uremic syndrome. Polymerase chain reaction (PCR) with Taq cycle sequencing was a suitable method for classification of slt genotypes.

RN 168257-57-6

RN 168257-58-7
RN 168257-59-8
RN 168257-60-1
RN 81295-18-3
RN 81458-03-9
RN 135542-24-4
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